

Pl. 2

NOTES AND STATISTICS

ON

VACCINATION IN BURMA

FOR THE YEAR 1905-06.



RANGOON:

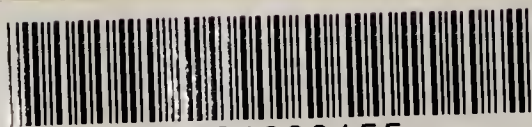
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NOTES AND STATISTICS

ON

VACCINATION IN BURMA

FOR THE YEAR 1905-06.

The administration of the Vaccination Department during the year was successively in charge of Colonels Little, Macrae and myself. Lieutenant-Colonel Frenchman held charge of office duties for three weeks between the interval of the departure of Colonel Little and arrival of Colonel Macrae.

2. The strength of the establishment was as follows :—

Statement
No. II.

Native Superintendents.
16.

Vaccinators.
241.

3. No important change in *personnel* was made during the year, but as a result of the representations of Colonel Little, Government accorded sanction for the entertainment of twenty-four Native Superintendents and ten probationary vaccinators. Hitherto, in the absence of Native Superintendents of Vaccination, the control of duty by vaccinators except in the Districts noted in the margin, has been solely in the hands of Civil Surgeons. In consequence, much of the time of the vaccinating staff has been spent in journeys from the particular areas in which they have fulfilled work to the headquarters of the Civil Surgeon, to secure instructions as to the next locality to be visited by them. Under this system, particular vaccinators are not responsible for defined areas of the country. The staff now sanctioned by Government will undergo a complete course of training in theoretical and practical vaccination and in allied subjects, at the Meiktila Vaccine Depot, under Major Entrican. Seeing that this new staff will possess a fair education in English, there is reason to hope that they will acquire such knowledge of the duties they are intended to fulfil as to prevent the occurrence of errors, which must at times be expected with the existing class of men.

4. The following table shows the work fulfilled under various agencies in primary vaccination :—

Statement
No. IV.

By Government Vaccinators.		By Municipal Vaccinators.		By Local Fund Vaccinators.		By Native States.		Dispensary Vaccination.		Army.	
Total.	Success-ful.	Total.	Success-ful.	Total.	Success-ful.	Total.	Success-ful.	Total.	Success-ful.	Total.	Suc-cessful.
1	2	3	4	5	6	7	8	9	10	11	12
162,044	144,074	64,883	52,398	181,999	160,428	8,197	6,983	9,812	17,272	370	221

5. The total cost of the establishment under all heads amounted to Rs. 114,464 of which Government bore 37·73 per cent., Municipalities 16·38, Local Funds 43·18, and Native States 2·71. Statement No. II.

Of the total population of the Province, 37·86 per mille were protected during the year. The total average cost for the whole Province per successful case was four annas nine pies, against five annas two pies of the previous year. The rates varied from fifteen annas eleven pies in the Hill Tracts of Northern Arakan to two annas one pie in Sagaing. Statements Nos. I, II and III.

6. The total vaccinations performed were 489,297 against 413,407, or an increase of 75,890. The heaviest increase was in Sagaing (9,343), Amherst Statements Nos. I, III and IV.

(7,954), and Thatôn (6,134). These results reflect creditably upon the Medical Officers concerned, namely, Captain N. P. O'Gorman Lalor, Major Pridmore, Lieutenant-Colonel Evans, and Local Assistant Surgeon Maung Tha Nu.

Statements
Nos. I and
III.

7. The total average number of cases operated upon by each vaccinator amounted to 1,956, against 1,706 of the preceding year. Medical subordinates in charge of dispensaries contributed 17,507 cases to the total stated.

Statements
Nos. I and
III.

8. A decrease of 1,707 cases occurred in Upper Chindwin. This may be regarded as sufficiently accounted for by the difficulties met by vaccinators owing to unusual flooding of certain areas. In Prome, an unsatisfactory decrease of 2,054 cases occurred. The Civil Surgeon considers this result as due to the employment of more honest and reliable vaccinators than hitherto. Pending inspection of the area concerned, this statement, which implies a very heavy indictment, may be accepted. In the case of Tavoy, however, a decrease of no less than 8,651 cases cannot be regarded with equanimity. The Civil Surgeon has attempted to account for the results by stating that the population was so fully protected by vaccination as to lead to the serious decrease of cases named. This is certainly untenable, even if the intercensal rate of increase be not taken into account.

Statement I.

9. In the Municipality of Rangoon, the increase of 24,081 cases was largely due to belated vigour in vaccinating, following the severe epidemic of small-pox which prevailed during the year. During this epidemic, there was a total of 3,975 cases with 1,276 deaths. No such heavy incidence of small-pox has occurred in the town of Rangoon since 1883. The popular lay opinion was that this result was brought about by introduction of small-pox into Municipal limits by coolies from India. Major Williams, the Health Officer, however, has secured from the Port Health Officer a statement showing that inspection and segregation of incoming passengers is so efficient as to put this possibility, as an important cause, aside. On the opposite, Major Williams is able to show that the period of the increase of the disease corresponded with the entrance into the town of coolies (who were already in the country) on their return from surrounding districts, where they had been engaged in the paddy harvest.

10. Arrangements for checking the spread of epidemics of small-pox in the Rangoon Municipality are certainly defective in respect to staff. For a prolonged period, preserved vaccine has been produced in a local dépôt; but the Health Officer shows that he is unable to maintain transmission of vaccine from calf to calf without resorting to the Bangalore Vaccine Institute for fresh stock. I would add that, in my opinion, no other result could possibly be expected from the hands of the most experienced officer, as the whole arrangements as to stabling calves are absolutely bad. Indeed, I have seen vaccine pulp gathered in this dépôt that I would elsewhere have refrained from using under any circumstances. I have represented to the Municipality that their dépôt does not fulfil modern requirements without, however, securing any attention to the matter.

Appendix B.

11. In the Municipalities of Letpadan, Pyapôn, Taungdwingyi and Kyaiklat, work was evidently careless, as less than half of the available cases of infants were vaccinated.

Statement
No. I.

12. The rate of success in the total primary cases in the Province, after omitting unknown results, amounts to 90.80 per cent. In the Rangoon Municipality, although there existed the obvious advantage of little exposure to high temperature of preserved vaccine, beyond that necessary for the few hours during which operations were conducted, the total rate of success, namely, 84.86 per cent. was decidedly poor. This, however, is an improvement upon the preceding year when it was 73.67. In the Hanthawaddy District, the rates of 76.34 per cent. and, in Thatôn, 73.13 per cent. are excessively low. The total variation is between the figure stated for Thatôn and the extraordinary result of 9,620 cases with a success rate of 100 per cent. in the case of Yamèthin. It may be safely said that the latter figure is out of place in an official report. Enquiries will be made as to how this hitherto unexampled result has been arrived at.

Statement
No. I.

13. The total re-vaccinations amounted to 54,297. This number is certainly much smaller than is desirable; as both European and recent Indian records point to the necessity of the confirmation of the immunizing influence of infantile vaccination, by a repetition of the operation about the age of puberty. The importance of urging the population to accept re-vaccination, rests in the fact that

whilst an unprotected population suffers chiefly in respect to children, unless revaccination be resorted to in a population protected only by infantile vaccination, adult lives are in danger. Hence, it is a healthy sign that the Municipality of Rangoon is, at the present time, considering the advisability of asking for powers to enforce re-vaccination.

14. The success rate of re-vaccination varied from 100 per cent. to 1·92 in a total of 52 cases. As to the first figure, it may be accepted, having regard to the small number (2) treated; but there must be some error in respect to the latter cases. The whole subject of success rate of re-vaccination depends upon so many factors that it is not desirable that the matter should be expatiated upon; but the chances are, judging from my own work, including vaccinations of persons who have suffered from small-pox and who have been inoculated, that the rate is low. Statement
No. I.

15. The vaccine lymph used was entirely bovine obtained from Meiktila Vaccine Dépôt, except in the case of Rangoon which, as already stated, is supplied by its own dépôt. All reports go to show that the supply was trustworthy.* As, however, exhibited by the varying rates of success shown in Statement No. I, it is but one stage in progress to place at the disposal of the vaccinator trustworthy material; it still remains for the vaccinator to understand how to use it with full advantage. It need hardly be said that with men of the grade of education now available as vaccinators, all possible results are not secured by them. Irrespective of careless exposure of the material to the sun, there exist varying methods of performing the operation that go towards diminishing the chances of success. Much in this respect can be done by Civil Surgeons training the men to perform the operation on uniformly recognized principles; whilst during the next year, it is hoped to equip each vaccinator with "vaccine carriers" that will protect the vaccine as far as feasible during transport from sun influence, and at the same time provide for the requirements of asepticism. Three forms of vaccine were used, namely, lanoline-vaccine, glycerinized-vaccine, and quinated-vaccine. The latter form was excogitated by Major Entrican. It consists of a proportion of bihydrochloride of quinine in sterile mucilage, stained with cochineal. At the time of his original efforts, Major Entrican was unaware of the fact that this form of quinine had been previously used by Dr. Alan Green in experiments for the killing of extraneous micro-organisms, but the curious choice of media had not been forestalled and these certainly serve their purpose. Quinine was, however, put aside by Dr. Alan Green, in virtue of its effect in gradually modifying the vesicle. That whilst recognizing its influence, however, up to a certain period, this modifying influence may be disregarded and a vaccine less loaded with organisms be produced, is testified to by Major Entrican. In comparing the various vaccines issued he shows, as experience in India already amply testifies, that where duration of vitality is concerned lanoline easily leads as the preferable medium, but he points out that in the unskilful vaccinator's hands the more fluid glycerine forms are more readily manageable. This, of course, is a mere matter of training men to certain procedures. The whole subject, however, is being carefully worked out by Major Entrican, and as he takes a keen interest in the subject of the cultivation and preservation of vaccine, I have no doubt interesting results will be secured. But, in the meantime, his report goes to support the opinion as to the necessity of more uniform methods and more skilled training of vaccinators. An interesting matter in connection with Major Entrican's work in the Vaccine Dépôt has been the production by him of two machines for the filling of lanoline-vaccine in tubes, and of glycerinized and quinated lymph in capillary tubes, respectively. He has produced, in both cases, decidedly ingeniously contrived apparatus, which fulfil efficiently *in a few minutes* work that, under other systems, would demand several hours tedious labour.

16. On the subject generally of organization of the Vaccination Department, Government has directed me to furnish a report, and I trust that these and other matters will, during the current year, be fully attended to.

W. G. KING, M.B., D.P.H., COL., I.M.S.,
Superintendent-General of Vaccination, Burma.

* FOOT-NOTE.--Although, in contrast with the history of previous years, Major Entrican was able to produce vaccine continuously throughout the hot season at Meiktila, he shows that, as might be expected, climatic conditions handicapped his efforts. On this subject, Government will be specially addressed.

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A.—VACCINATION

STATEMENT NO. I.—*Showing particulars of Vaccination in the*

No.	Circles and Districts.	Popula- tion of District according to census of 1901.	Average popula- tion per square mile.	Average number of vacci- nators employ- ed through- out the year.	Total number of persons vaccinated.			Average number of per- sons vacci- nated by each vacci- nator.	PRIMARY VACCINATION.				
									Total.	Successful.			Un- known.
										Under one year.	One and under six years.	Total of all ages.	
1	2	3	4	5	6			7	8	9	10	11	12
ARAKAN DIVISION.													
1	Akyab	481,666	94	10	6,842	5,880	12,722	1,272	11,918	1,323	5,342	9,170	563
2	Hill Tracts, Northern	20,682	4	1	354	141	495	495	493	1	80	423	19
3	Arakan	168,827	38	6	2,701	2,359	5,060	843	4,915	614	2,223	3,881	423
4	Kyaukpadaung ...	9,927	24	3	1,011	663	1,674	660	1,075	160	645	1,380	...
	Total	762,102	41	20	10,911	9,345	20,256	1,013	19,071	2,033	8,290	14,862	1,010
PEGU DIVISION.													
5	Rangoon	252,155	8,996	3	33,913	6,537	45,450	15,150	15,142	2,233	1,233	7,401	6,417
6	Hanthawaddy ...	4,753	155	6	5,492	3,913	9,405	1,578	6,610	519	2,727	4,881	276
7	Pegu	3,957	79	8	6,376	6,602	12,978	1,622	12,742	2,663	8,112	12,091	236
8	Tharrawaddy ...	395,570	119	8	8,774	8,478	17,252	2,157	17,212	3,613	10,595	15,471	151
9	Prome	3,5804	125	12	9,076	7,942	17,018	1,418	5,605	3,916	8,296	14,114	331
	Total	1,820,633	139	37	68,631	33,532	102,163	2,761	67,401	12,634	30,853	53,951	7,411
IRRAWADDY DIVISION.													
10	Maubin	283,247	173	4	2,662	2,705	5,367	1,342	4,925	850	2,315	4,518	11
11	Pyawon	221,939	106	5	2,214	2,327	4,601	920	4,115	711	2,829	3,613	150
12	Bassein	381,427	95	10	11,973	10,901	22,774	2,217	21,900	3,817	11,266	20,591	774
13	Heazada	484,53	169	15	20,712	20,221	40,933	2,729	41,193	7,538	22,115	37,876	41
14	Myaungmya ...	279,303	105	7	4,231	4,217	8,518	1,117	7,941	859	4,989	7,209	38
	Total	1,663,669	121	41	41,852	40,414	82,296	2,007	79,191	13,815	43,491	73,227	1,017
TENASSERIM DIVISION.													
15	Amherst	300,173	43	8	11,437	10,409	21,846	3,103	20,816	3,453	9,425	19,050	240
16	Tavoy	109,979	21	5	2,709	2,482	5,191	1,033	515	2,355	2,218	4,881	...
17	Mergui	88,744	9	4	3,106	2,913	6,069	1,517	6,017	731	2,165	5,003	130
18	Toungoo	279,315	45	7	4,310	4,116	8,426	1,212	8,162	3,284	2,922	7,110	157
19	Thaton	343,10	63	6	4,801	5,032	9,833	1,619	9,119	1,784	3,475	7,159	...
20	Salween	37,837	14	1	641	454	1,095	1,035	1,016	82	195	777	21
	Total	1,159,553	32	31	30,014	25,456	55,320	1,791	50,860	11,592	20,410	44,040	558
MANDALAY DIVISION.													
21	Mandalay	366,597	173	10	8,573	7,617	16,190	1,619	14,223	5,777	5,509	12,730	13
22	Bhamo	19,515	19	3	2,741	2,00	5,141	1,715	4,345	1,767	1,595	4,002	170
23	Katha	176,223	15	2	1,567	1,602	3,169	1,533	3,161	261	1,942	3,015	11
24	Ruby Mines... ..	87,694	16	3	1,368	1,366	2,734	911	2,701	863	1,243	2,410	2
25	Myittha	67,319	6	1	714	727	1,441	1,481	1,481	140	823	1,329	17
	Total	777,333	26	19	15,006	13,712	28,718	1,511	25,966	8,813	11,117	23,556	215
SAGAING DIVISION.													
26	Shwebo	286,891	51	8	7,823	8,516	16,349	2,044	15,743	3,021	8,093	13,801	661
27	Sagaing	232,653	152	6	10,683	11,212	21,895	3,649	19,214	8,019	9,177	17,196	483
28	Lower Chindwin ...	216,333	79	6	8,790	9,44	18,034	3,06	17,766	4,747	9,793	10,210	11
29	Upper Chindwin ...	151,551	8	6	4,405	4,778	9,183	1,511	9,183	743	4,525	7,977	256
	Total	1,000,483	33	26	31,701	33,760	65,461	2,518	61,916	16,535	31,593	55,187	1,416
MINBU DIVISION.													
30	Thayetmyo	239,706	50	8	10,120	8,995	19,115	2,389	16,670	1,905	6,709	13,599	1,761
31	Pakokku	356,419	57	6	4,636	4,701	9,337	1,556	9,173	1,420	5,561	8,060	400
32	Minbu	233,77	71	7	4,163	4,570	9,233	1,319	9,019	1,482	4,886	7,663	173
33	Magwe	245,703	85	7	6,630	7,251	13,931	1,990	13,844	3,705	9,315	13,066	105
	Total	1,076,280	63	23	23,102	25,517	51,619	1,841	48,806	8,512	26,471	42,391	2,442
MEIKTILA DIVISION.													
34	Meiktila	252,305	116	5	5,766	5,412	11,178	2,236	11,175	1,101	8,769	10,754	136
35	Yamethin	213,197	57	7	5,443	5,235	10,734	1,533	10,323	4,565	4,383	9,610	703
36	Kyaukse	141,253	111	3	2,802	2,976	5,778	1,915	5,587	2,971	1,863	4,819	133
37	Myingyan	353,052	114	7	7,512	7,161	14,743	2,106	14,007	2,821	7,305	11,868	813
	Total	992,807	91	22	21,593	20,835	42,413	1,919	41,092	11,458	22,330	37,031	1,788
SHAN STATES.													
38	Northern Shan States ...	321,190	21	8	3,623	3,363	6,986	873	6,916	213	3,879	6,142	106
39	Southern Shan States ..	816,554	19	7	6,310	6,331	12,711	1,816	11,601	1,949	5,731	10,476	157
	Total	1,137,444	20	15	10,003	9,694	19,697	1,313	19,537	2,161	9,613	16,618	233
CHIN HILLS.													
40	Chin Hills	87,119	11	2	1,932	1,325	3,257	1,620	3,233	9	415	2,360	211
	GRAND TOTAL	10,477,503	45	241	257,800	213,620	471,420	1,956	417,123	87,562	104,606	333,383	16,381

NOTE.—Area and population of the
* Statistics of Pyawon have

DEPARTMENT.

Province of Burma during the year 1905-06 (Paragraphs 5 to 9 and 12 to 14).

RE-VACCINATION.			PERCENTAGE OF SUCCESSFUL CASES IN WHICH THE RESULTS WERE KNOWN.		Persons successfully vaccinated per 1,000 of population.	PERCENTAGE OF UNKNOWN CASES TO TOTAL CASES.		AVERAGE ANNUAL NUMBER OF PERSONS SUCCESSFULLY VACCINATED DURING PREVIOUS FIVE YEARS.		AVERAGE ANNUAL NUMBER OF DEATHS FROM SMALL-POX DURING PREVIOUS FIVE YEARS.	
Total.	Successful.	Unknown.	Primary.	Re-vaccination.		Primary.	Re-vaccination.	No.	Ratio per 1,000.	No.	Ratio per 1,000.
13	14	15	16	17	18	19	20	21	22	23	24
804	613	...	80.79	76.24	20.31	4.77	...	7,232	15.43	9	.02
2	1	1	90.30	100.00	20.74	3.85	50	947	48.61	...	...
75	44	6	85.14	63.77	23.27	8.49	8	6,069	36.16	15	.09
304	80	...	82.39	26.32	16.06	...	...	2,422	27.39	13	.15
1,135	738	7	82.23	62.65	10.47	5.80	.59	16,670	22.40	37	.05
80,303	10,062	12,143	81.86	55.11	69.27	42.33	40.08	4,787	21.05	96	.42
2,795	651	174	76.34	24.34	11.83	4.14	6.23	4,791	10.33	187	.40
2.6	191	...	96.08	80.93	36.17	1.85	...	10,533	33.02	227	.71
10	6	...	90.52	60.00	39.13	.88	...	11,902	30.97	103	.28
1,413	450	93	92.11	31.09	39.12	2.12	6.58	20,472	55.87	103	.29
34,762	11,360	12,415	89.95	50.83	35.33	11.00	35.71	12,505	29.81	727	.41
441	233	...	92.33	64.17	17.01	.22	...	7,739	16.86	235	.51
456	62	...	90.44	13.60	15.31	3.62	...	*	*	*	*
894	419	133	97.10	55.01	53.63	3.12	14.88	15,219	40.40	100	.26
740	356	52	94.33	51.74	78.93	.11	7.03	38,487	8.00	87	.18
574	404	11	91.18	72.14	27.25	.43	2.14	9,507	33.31	151	.54
3,105	1,524	199	94.44	52.44	45.21	1.23	6.41	70,732	44.49	572	.36
4,030	1,762	545	92.53	50.56	69.33	1.15	13.52	14,935	52.07	90	.32
41	...	...	94.78	...	44.33	...	...	12,159	113.67	161	1.51
52	1	...	83.13	1.02	56.19	2.33	...	4,885	47.61	118	1.44
421	211	47	90.70	55.97	26.43	1.95	11.08	9,121	31.31	83	.33
41	4	...	73.13	1.09	2.83	...	...	4,151	12.37	115	.36
69	45	4	77.31	69.23	21.72	2.05	5.80	4.6	13.30	...	...
4,000	2,023	591	87.53	49.78	39.72	1.10	12.79	44,936	40.50	569	.54
1,967	819	6	89.60	41.76	26.97	.11	.31	12,674	34.31	52	.15
749	423	47	14.72	60.97	50.71	3.87	6.28	2,675	37.15	...	...
3	...	...	95.55	...	17.11	.35	...	1,832	11.11	...	...
33	17	...	91.39	51.12	23.47	.07	...	2,552	33.12	...	...
...	...	...	90.77	...	19.72	1.15	...	840	13.24	...	...
2,752	1,264	53	91.48	46.83	31.93	.83	1.93	20,592	27.45	52	...
606	346	53	91.53	62.57	49.32	4.20	8.75	14,585	52.91	12	.04
2,661	1,613	202	91.73	65.80	66.66	2.54	7.59	7,895	23.67	94	.24
278	86	...	91.35	30.94	58.96	.06	...	9,412	35.26	86	.38
...	...	...	89.36	...	51.01	2.79	...	8,123	58.43	...	...
3,543	2,050	255	91.22	62.31	57.21	2.29	7.19	40,451	41.93	112	.25
2,445	1,695	75	91.23	71.52	63.80	10.58	3.07	18,005	74.16	29	.12
161	16	23	91.87	11.35	22.65	4.33	14.02	5,093	14.65	235	.81
157	57	45	86.03	10.89	33.03	1.91	23.66	6,626	23.83	162	.85
47	24	5	94.83	57.14	53.06	.76	10.61	9,023	37.41	152	.63
2,813	1,792	148	91.43	67.24	41.05	5.00	5.26	33,746	36.54	578	.61
3	...	3	97.42	...	42.62	1.32	100.00	6,634	27.04	30	.14
411	226	151	100.00	87.94	40.49	6.81	37.47	9,272	39.31	109	.50
191	166	6	88.77	89.73	35.43	2.42	3.14	5,501	39.77	1	.01
736	274	89	89.93	42.35	24.10	5.80	12.09	9,380	23.41	205	.57
1,341	606	252	94.24	61.16	38.02	4.35	18.79	30,787	31.59	345	.37
...	...	...	89.27	...	19.13	1.52	...	...	...	...	...
110	64	4	84.19	60.33	12.91	1.25	3.64	...	...	...	...
110	64	4	86.00	60.33	14.67	1.34	3.64	10,310	10.49	...	...
21	16	...	79.11	63.67	27.25	8.07	...	...	...	...	...
54,207	21,497	13,929	90.80	53.23	36.78	3.93	25.65	3,26,127	32.57	...	...

Pakokku Chin Hills have been excluded.
been included in Maubin.

A.—VACCINATION
STATEMENT No. II.—Showing the cost of the Department in the

No.	Circles and Districts.	EXPENDITURE.										
		European super- vising officers.	Pay.	Native supervi- sing officers.	Pay.	Vaccinators.	Pay.	Clerks.	Pay.	Peons, etc.	Pay.	Total pay of establish- ment.
1	2	3	4	5	6	7	8	9	10	11	12	13
ARAKAN DIVISION.												
			Rs. A. P.		Rs. A. P.		Rs. A. P.		Rs. A. P.		Rs. A. P.	Rs. A. P.
1	Akyab ...		...	2	900 0 0	10	2,824 13 2	...	...	...	...	3,724 13 2
2	Hill Tracts, Northern Arakan...		...	...	...	1	355 0 0	...	...	...	...	355 0 0
3	Kyaukpyn ...		...	...	...	6	1,483 12 9	...	...	...	...	1,483 12 9
4	Sandoway ...		...	...	...	3	814 0 0	...	...	...	...	814 0 0
	Total		...	2	900 0 0	20	5,477 9 11	...	...	...	...	6,377 9 11
PEGU DIVISION.												
5	Rangoon...		...	...	...	3	2,618 11 4	...	...	4	576 0 0	3,194 11 4
6	Hanthawaddy ...		...	1	615 0 0	6	1,547 14 4	...	...	...	...	2,162 14 4
7	Pegu ...		...	...	...	8	2,214 8 0	...	...	...	...	2,214 8 0
8	Tharrawaddy ...		...	1	480 0 0	8	2,265 7 3	...	...	...	...	2,745 7 3
9	Prome ...		...	...	...	12	3,250 7 1	...	...	...	...	3,250 7 1
	Total		...	2	1,105 0 0	37	11,897 0 0	...	...	4	576 0 0	13,578 0 0
IRRAWADDY DIVISION.												
10	Ma-ubin...		...	...	...	4	3,317 10 2	...	...	...	...	3,317 10 2
11	Pyapôn ...		...	...	...	5	1,415 12 7	...	...	...	...	1,415 12 7
12	Bassein ...		...	2	709 0 0	10	2,546 2 6	...	...	...	...	3,255 2 6
13	Henzada...		...	...	...	15	4,316 4 8	...	...	...	...	4,316 4 8
14	Myaungmya ...		...	...	...	7	1,473 0 6	...	...	...	...	1,473 0 6
	Total		...	2	709 0 0	41	13,068 14 5	...	...	...	...	13,777 14 5
TENASSERIM DIVISION.												
15	Amherst ...		...	2	1,190 0 0	8	2,130 8 1	1	120 0 0	...	...	3,440 8 1
16	Tavoy ...		...	...	...	5	1,425 0 0	...	...	...	...	1,425 0 0
17	Mergui ...		...	...	...	4	1,017 14 7	...	...	...	...	1,017 14 7
18	Toungoo...		...	1	430 0 0	7	1,616 12 0	...	...	...	...	2,046 12 0
19	Thatôn ...		...	1	480 0 0	6	1,491 0 0	...	...	...	...	2,171 0 0
20	Salween ...		...	...	...	1	300 0 0	...	...	...	...	300 0 0
	Total		...	4	2,150 0 0	31	8,191 2 8	1	120 0 0	...	...	10,461 2 8
MANDALAY DIVISION.												
21	Mandalay ...		...	1	600 0 0	10	2,723 1 6	...	...	...	...	3,322 1 6
22	Bhamo ...		...	...	...	3	794 0 0	...	...	...	...	794 0 0
23	Katha ...		...	...	...	2	450 7 2	...	...	...	...	450 7 2
24	Ruby Mines ...		...	...	...	3	923 6 7	...	...	...	...	923 6 7
25	Myitkyina ...		...	...	...	1	360 0 0	...	...	...	...	360 0 0
	Total		...	1	600 0 0	19	5,129 15 3	...	...	...	...	5,829 15 3
SAGAING DIVISION.												
26	Shwebo ...		...	...	...	8	1,625 4 8	...	...	...	...	1,625 4 8
27	Sagaing ...		...	...	...	6	1,527 0 0	...	...	...	...	1,527 0 0
28	Lower Chindwin ...		...	...	...	6	1,620 0 0	...	...	...	...	1,620 0 0
29	Upper Chindwin ...		...	...	...	6	1,550 7 3	...	...	...	...	1,550 7 3
	Total		...	...	...	26	6,322 11 11	...	...	...	...	6,322 11 11
MINBU DIVISION.												
30	Thayetmyo ...		...	...	...	8	2,319 4 2	...	...	...	...	2,319 4 2
31	Pakokku ...		...	...	...	6	1,565 0 0	...	...	...	...	1,565 0 0
32	Minbu ...		...	...	...	7	1,616 15 6	...	...	...	...	1,616 15 6
33	Magwe ...		...	1	120 0 0	7	1,625 8 0	...	...	...	...	1,745 8 0
	Total		...	1	120 0 0	28	7,125 11 8	...	...	...	...	7,245 11 8
MEIKTILA DIVISION.												
34	Meiktila Vaccine Depot	1	600 0 0	1	1,200 0 0	...	...	1	596 10 8	8	231 0 0	3,627 10 8
35	Meiktila ...		...	...	...	5	1,214 8 2	...	...	...	...	1,214 8 2
36	Yamethin ...		...	1	60 0 0	7	1,618 3 7	...	...	...	...	1,678 3 7
37	Kyaukse...		...	...	...	3	911 0 0	...	...	...	...	911 0 0
38	Myingyan ...		...	1	378 0 0	7	1,496 0 9	...	...	...	...	1,874 0 9
	Total	1	600 0 0	3	1,638 0 0	22	5,239 12 6	1	596 10 8	8	1,231 0 0	9,805 7 2
SHAN STATES.												
39	Northern Shan States		...	1	450 0 0	8	2,048 11 8	...	...	...	...	2,498 11 8
40	Southern Shan States		...	...	...	7	1,646 2 7	...	...	...	...	1,646 2 7
	Total		...	1	450 0 0	15	3,694 14 3	...	...	...	...	4,144 14 3
CHIN HILLS.												
41	Chin Hills ...		...	...	...	2	631 6 10	...	...	...	...	631 6 10
	GRAND TOTAL	1	600 0 0	16	7,672 0 0	241	66,880 3 5	2	716 10 8	12	1,807 0 0	77,675 14 1

DEPARTMENT.

Province of Burma during the year 1905-06 (Paragraphs 2 and 5).

Travelling allowance.	Contingen- cies.	Total cost.	PAID FROM					Total.	Number of all success- ful vaccinations and re-vaccinations.	Average cost of each successful case.
			Imperial Funds.	Provincial Funds.	Local Funds.	Municipal- ities.	Native States.			
14	15	16	17	18	19	20	21	22	23	24
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.		Rs. A. P.
911 0 9	60 0 0	4,695 13 11	.....	.....	4,311 13 11	334 0 0	.....	4,695 13 11	9,783	0 7 8
71 3 0	.....	425 3 0	.....	426 3 0	.....	.....	.....	426 3 0	429	0 15 11
353 7 0	520 5 5	2,377 9 2	.....	.....	2,250 9 2	107 0 0	.....	2,357 9 2	3,923	0 9 7
229 1 0	55 4 9	1,093 5 9	.....	.....	978 5 9	120 0 0	.....	1,093 5 9	1,450	0 12 0
1,564 11 9	6,510 2	8,577 15 10	.....	425 3 0	7,540 12 1	611 0 0	.....	8,577 15 10	15,600	0 8 10
18 15 6	3,184 3 8	6,397 14 6	.....	341 15 6	.....	6,055 15 0	.....	6,397 14 6	17,466	0 5 10
871 12 5	37 9 6	3,082 4 3	.....	.....	3,082 4 3	.....	.....	3,082 4 3	5,532	0 8 11
1,082 10 9	.....	3,297 2 9	.....	.....	2,737 2 9	560 0 0	.....	3,297 2 9	12,232	0 4 4
1,380 15 0	.....	4,132 6 3	.....	.....	4,132 6 3	.....	.....	4,132 6 3	15,477	0 4 3
916 6 0	.....	4,166 13 1	.....	.....	3,205 7 10	961 5 3	.....	4,166 13 1	14,564	0 4 7
4,276 11 8	3,221 13 2	21,076 8 10	.....	341 15 6	13,157 5 1	7,577 4 3	.....	21,076 8 10	65,321	0 5 2
335 7 10	.....	3,653 2 0	.....	.....	3,653 2 0	.....	.....	3,653 2 0	4,821	0 12 1
393 0 0	.....	1,803 12 7	.....	.....	1,533 11 8	270 0 11	.....	1,803 12 7	3,675	0 7 10
925 11 8	35 3 0	4,216 1 2	.....	.....	3,493 9 2	717 8 0	.....	4,216 1 2	21,010	0 3 3
1,202 8 0	.....	5,513 12 8	.....	.....	3,813 12 8	1,705 0 0	.....	5,513 12 8	33,232	0 2 4
470 14 0	.....	1,943 14 6	.....	.....	1,943 14 6	.....	.....	1,943 14 6	7,613	0 4 1
3,227 9 6	35 3 0	17,140 10 11	.....	.....	11,448 2 0	2,092 8 11	.....	17,140 10 11	75,351	0 3 8
1,033 10 0	142 14 2	4,617 0 3	.....	.....	3,423 4 5	1,193 11 10	.....	4,617 0 3	20,812	0 3 7
438 0 6	.....	1,923 0 6	.....	.....	1,413 0 6	480 0 0	.....	1,923 0 6	4,881	0 6 4
643 14 8	105 13 8	1,767 10 11	.....	.....	1,476 0 1	291 10 10	.....	1,767 10 11	5,004	0 5 8
437 10 0	20 13 10	2,555 3 10	.....	.....	2,075 3 10	450 0 0	.....	2,555 3 10	7,381	0 5 6
73 4 0	.....	2,954 4 0	.....	.....	2,695 4 0	259 0 0	.....	2,954 4 0	7,163	0 6 7
67 8 0	.....	367 8 0	.....	.....	367 8 0	.....	.....	357 8 0	822	0 7 2
3,433 15 2	269 9 8	14,841 11 6	.....	.....	11,480 4 10	2,704 6 8	.....	14,184 11 6	46,063	0 4 11
743 3 0	31 13 9	4,104 2 3	.....	2,433 2 9	.....	1,670 15 6	.....	4,104 2 3	13,549	0 4 10
227 3 0	72 4 7	1,095 7 7	.....	788 1 3	.....	305 6 4	.....	1,937 7 7	4,430	0 3 11
217 4 8	332 4 0	1,009 15 10	.....	1,009 15 10	.....	.....	.....	1,009 15 10	3,615	0 5 4
398 9 6	.....	1,522 0 1	.....	932 6 1	.....	.....	389 10 0	1,322 0 1	2,497	0 8 6
157 5 0	5 14 2	623 3 2	.....	623 3 2	.....	.....	.....	523 3 2	1,529	0 6 4
1,778 9 2	444 4 6	8,052 12 11	.....	5,636 13 1	.....	1,976 5 10	389 10 0	8,052 12 11	21,820	0 5 2
653 8 9	1,209 6 8	3,483 4 1	.....	3,248 4 1	.....	240 0 0	.....	3,483 4 1	14,150	0 3 11
802 4 9	69 1 0	2,443 5 9	.....	2,443 5 9	.....	.....	.....	2,443 5 9	18,814	0 2 1
24 3 0	473 2 2	2,087 5 2	.....	2,087 5 2	.....	293 0 0	.....	2,387 5 2	16,296	0 2 4
813 2 6	65 11 2	2,489 4 11	.....	2,489 4 11	.....	.....	.....	2,189 4 11	7,977	0 5 0
2,673 3 0	1,817 5 0	10,313 3 11	.....	10,275 3 11	.....	533 0 0	.....	10,813 3 11	57,237	0 3 0
1,106 5 0	.....	3,425 9 2	.....	.....	2,799 14 2	625 11 0	.....	3,425 9 2	15,294	0 3 7
738 9 0	.....	2,003 9 0	.....	2,054 9 0	.....	249 0 0	.....	2,303 9 0	8,076	0 4 7
465 6 0	6 0 0	2,083 5 6	.....	1,422 5 6	.....	603 0 0	.....	2,083 5 6	7,723	0 4 4
417 0 0	17 4 6	2,179 12 6	.....	1,579 12 6	.....	300 0 0	.....	2,179 12 6	13,090	0 2 8
2,727 4 0	23 4 6	9,997 4 2	.....	5,416 11 0	2,799 14 2	1,780 11 0	.....	9,997 4 2	44,183	0 3 7
.....	5,472 4 8	9,099 15 4	.....	9,099 15 4	.....	.....	.....	9,099 15 4	.....	.....
741 12 6	.....	1,956 4 8	.....	1,956 4 8	.....	.....	.....	1,956 4 8	10,754	0 2 11
713 15 6	.....	2,392 3 1	.....	1,839 15 6	.....	502 3 7	.....	2,392 3 1	9,846	0 3 11
805 7 0	.....	1,177 7 0	.....	1,137 7 0	.....	80 0 0	.....	1,217 7 0	5,605	0 3 11
786 5 9	2 11 6	2,663 2 0	.....	2,372 14 0	.....	290 4 0	.....	2,663 2 0	12,142	0 3 6
2,548 8 9	5,475 0 2	17,329 0 1	.....	16,456 8 6	.....	872 7 7	.....	17,329 0 1	37,747	0 7 4
1,459 8 0	.....	3,953 3 8	1,246 2 8	.....	.....	.....	2,712 1 0	3,953 3 8	6,142	0 10 4
779 0 0	.....	2,425 2 7	2,425 2 7	.....	.....	.....	.....	2,425 2 7	10,540	0 3 8
2,238 8 0	.....	6,383 6 3	3,671 5 3	.....	.....	.....	2,712 1 0	6,383 6 3	16,632	0 6 1
.....
276 14 0	.....	908 4 10	903 4 10	.....	.....	.....	.....	908 4 10	2,376	0 6 1
11,805 15 0	11,002	11,463 15 3	4,579 10 1	38,808 7 0	40,426 6 11	13,752 12 3	3,101 11 0	11,463 15 3	3,85,380	0 4 9

B.—DISPENSARY

STATEMENT NO. III.—*Showing Dispensary Vaccination in the*

No.	Districts.	Number of dispensaries in each district to which a vacci- nator is at- tached.	Average number of vaccinators attached to dispensaries during the year.	Total number of persons vaccinated.	Average number of persons vac- cinated by each vaccinator.	Total.
1	2	3	4	5	6	7
ARAKAN DIVISION.						
1	Akyab ... ..	.....	.....	.....	.....	.....
2	Hill Tracts, Northern Arakan ... ..	.....	.....	70	.....	60
3	Kyaukpyu ... ..	.....	.....	103	.....	85
4	Sandoway ... ..	.....	.....	332	.....	214
	Total ... ..	.....	.....	505	.....	359
PEGU DIVISION.						
5	Rangoon ... ..	.....	.....	.....	.....	.....
6	Hanthawaddy ... ..	.....	.....	2,200	.....	412
7	Pegu ... ..	.....	.....	197	.....	197
8	Tharrawaddy ... ..	.....	.....	167	.....	150
9	Prome ... ..	.....	.....	47	.....	47
	Total ... ..	.....	.....	2,671	.....	836
IRRAWADDY DIVISION.						
10	Ma-ubin ... ..	.....	.....	2,095	.....	1,116
11	Pyapôn ... ..	.....	.....	257	.....	233
12	Bassein ... ..	.....	.....	606	.....	412
13	Henzada ... ..	.....	.....	1,121	.....	273
14	Myaungmya ... ..	.....	.....	1,802	.....	868
	Total ... ..	.....	.....	6,481	.....	2,907
TENASSERIM DIVISION.						
15	Amherst ... ..	.....	.....	.....	.....	.....
16	Tavoy ... ..	.....	.....	193	.....	14
17	Mergui ... ..	.....	.....	52	.....	52
18	Toungoo ... ..	.....	.....	1,285	.....	872
19	Thatôn ... ..	.....	.....	267	.....	267
20	Salween ... ..	.....	.....	6	.....	4
	Total ... ..	.....	.....	1,803	.....	1,209
MANDALAY DIVISION.						
21	Mandalay ... ..	.....	.....	258	.....	214
22	Bhamo ... ..	.....	.....	64	.....	63
23	Katha ... ..	.....	.....	325	.....	70
24	Ruby Mines ... ..	.....	.....	190	.....	190
25	Myitkyina ... ..	.....	.....	107	.....	106
	Total ... ..	.....	.....	914	.....	673
SAGAING DIVISION.						
26	Shwebo ... ..	.....	.....	102	.....	69
27	Sagaing ... ..	.....	.....	175	.....	102
28	Lower Chindwin ... ..	.....	.....	.....	.....	.....
29	Upper Chindwin ... ..	.....	.....	466	.....	388
	Total ... ..	.....	.....	743	.....	559
MINBU DIVISION.						
30	Thayetmyo ... ..	.....	.....	1,044	.....	832
31	Pakókku ... ..	.....	.....	13	.....	13
32	Minbu ... ..	.....	.....	61	.....	43
33	Magwe ... ..	.....	.....	296	.....	122
	Total ... ..	.....	.....	1,417	.....	1,009
MEIKTILA DIVISION.						
34	Meiktila ... ..	.....	.....	599	.....	222
35	Yaméthin... ..	.....	.....	29	.....	29
36	Kyaukse ... ..	.....	.....	56	.....	52
37	Myingyan ... ..	.....	.....	.....	.....	.....
	Total ... ..	.....	.....	684	.....	303
SHAN STATES.						
38	Northern Shan States ... ..	.....	.....	286	.....	247
39	Southern Shan States ... ..	.....	.....	349	.....	333
	Total ... ..	.....	.....	635	.....	580
40	Chin Hills ... ..	.....	.....	1,619	.....	1,377
	GRAND TOTAL ... ..	.....	.....	17,607	.....	9,812

VACCINATION.

Province of Burma for the year 1905-06 (Paragraphs 5 to 8).

PRIMARY VACCINATION.			RE-VACCINATION.				PERCENTAGE OF SUCCESSFUL CASES IN WHICH THE RESULTS WERE KNOWN.		PERCENTAGE OF UNKNOWN CASES TO TOTAL CASES.	
Successful.			Unknown.	Total.	Successful.	Unknown.	Primary.	Re-vaccination.	Primary.	Re-vaccination.
Under one year.	One and under six years.	Total of all ages.								
8	9	10	11	12	13	14	15	16	17	18
... 2 4 ...	... 26 32 1	... 54 65 203	... 4 15 ...	... 10 18 118	... 9 9 23	... 7 ...	... 96.43 92.86 91.86	... 90.00 81.82 19.49	... 6.67 17.65 ...	... 38.89 ...
6	59	322	19	146	41	7	94.71	29.50	5.29	4.79
... 29 68 37 18	... 167 110 54 29	... 393 187 140 47	... 17 8 ... ...	... 1,818 ... 17 ...	... 1,231 ... 12 ...	... 73 ... ...	... 98.85 98.91 93.33 100	... 70.54 ... 70.59 ...	... 3.85 4.06 ... ...	... 4.02
152	360	773	25	1,835	1,213	73	95.31	70.54	2.99	3.98
218 48 27 36 68	475 133 104 143 212	1,077 217 272 270 398	... 6 94 ... 455	1,579 19 191 848 931	621 12 82 331 453	12 4 68 88 41	96.51 93.53 85.53 94.90 96.37	39.63 80.00 65.08 43.55 50.78	... 2.52 22.82 ... 52.42	... 7.76 21.05 35.05 10.33 4.39
397	1,067	2,234	555	3,574	1,499	23	94.93	44.60	19.09	5.96
... 2 8 266 27 ...	... 10 23 298 90 ...	... 14 50 669 201 3	... 156 ... 1	... 184 ... 413 ... 2	... 34 ... 203 ... ...	... 60 ... 2	... 100 96.15 93.44 76.40 100	... 18.48 ... 57.51 ... ...	... 17.89 ... 25.00	... 14.53 ... 100
303	421	910	157	509	237	61	89.35	41.13	12.99	10.35
77 12 5 63 17	139 43 34 112 67	222 58 63 189 88	... 3	14 1 255 ... 1	2 1 96 ... 1	... 39	90.93 92.06 91.03 99.17 83.02	14.29 100 41.14 ... 100	... 4.29 ... ... ...	... 15.29
174	395	620	3	271	100	39	92.54	43.10	4.5	14.59
3 57 ... 52	28 36 ... 212	36 93 ... 333	3 ... 4	33 73 ... 78	7 20 ... 63	4 41 ... 10	51.55 91.18 88.02	24.14 93.75 92.65	4.35 ... 1.03	12.12 56.16 ... 12.82
112	276	467	7	184	100	55	84.60	77.52	1.25	29.89
201	307 10 5 ...	668 11 41 122	84 ... 1 ...	212 ... 22 174	159 ... 6 118	8 ... 6 ...	89.30 84.62 100 100	77.94 ... 37.50 67.82	10.10 ... 2.33 ...	3.77 ... 27.27 ...
201	322	842	85	408	283	14	91.13	71.83	8.42	3.43
24 24 18 ...	71 1 18 ...	103 27 36 ...	37 2 6 ...	377 ... 4 ...	107 ... 1 ...	150	58.33 100 78.16 ...	47.14 ... 25.00 ...	16.67 6.90 11.54 ...	39.79
66	90	171	45	331	108	110	66.28	46.75	14.35	39.37
32 93	118 166	196 297	31 34	39 16	18 11	... 1	90.74 90.33	46.15 73.33	12.55 16.21	... 6.25
125	284	493	65	55	29	1	95.73	53.70	11.21	1.82
33	146	410	810	242	161	13	72.31	70.31	58.82	5.37
1,669	3,420	7,272	1,771	7,695	3,801	627	90.44	53.78	18.05	8.16

COMPARATIVE STATEMENT NO. IV.—*Showing the number of persons primarily vaccinated
Burma in each of the under-*

Establishments.	PERSONS PRIMARILY									
	Total number.	Number succe- fully vac- cinated.	Total number.	Number succe- fully vac- cinated.	Total number.	Number succe- fully vac- cinated.	Total number.	Number succe- fully vac- cinated.	Total number.	Number succe- fully vac- cinated.
	1896-97.		1897-98.		1898-99.		1899-1900.		1900-01.	
	1	2	3	4	5	6	7	8	9	10
Government	118,666	110,486	95,153	88,851	116,621	106,892	122,103	112,483	106,629	95,392
Municipal	83,232	78,036	82,934	78,827	81,987	78,636	72,287	69,705	62,338	58,068
Local Funds	188,718	172,580	222,231	210,880	238,334	228,337	230,518	218,803	215,111	198,789
Native States ... ..	...	...	...	...	2,108	1,941	1,764	1,631	1,574	1,420
Dispensary	5,406	4,964	5,151	4,891	8,209	7,278	6,033	5,421	6,653	4,229
ARMY.										
Europeans	31	26	80	50	53	42	23	19	23	10
Natives	655	300	379	249	546	363	782	344	301	207
Total	396,818	366,482	405,923	383,748	447,858	423,519	463,605	438,406	392,719	358,055

STATEMENT NO. V.—*Showing particulars of*

No.	Districts.	TOTAL NUMBER OF PERSONS VACCINATED.		TOTAL NUMBER INSPECTED.			
		Primary.	Re-vaccination.	By Deputy Sanitary Com- missioner or Civil Surgeons.		By Native Superintendents or other Inspecting Officers.	
				Primary.	Re-vaccination.	Primary.	Re-vaccination.
1	2	3	4	5	6	7	8
1	Akyab	11,918	804	651	672	3,721	618
2	Hill Tracts, Northern Arakan	553	12	19	1	43	9
3	Kyzukpyu	5,070	93	260	31	181	1
4	Sandoway	1,889	422	349	266	214	118
5	Rangoon	15,142	30,368	7,255	12,630	480	1,756
6	Hanthawaddy	7,112	4,638	763	1,091	4,208	2,486
7	Pegu	12,939	236	1,784	36	904	52
8	Tharrawaddy	17,302	27	381	.....	8,096	17
9	Prome	15,652	1,413	1,822	188	1,219	769
10	Ma-ubin	6,042	2,000	1,540	1,301	1,675	1,539
11	Pyapön	4,383	475	425	.....	637	5
12	Bassein	22,392	1,088	3,676	467	12,828	721
13	Henzada	40,469	1,588	3,140	533	1,411	327
14	Myaungmya	8,812	1,508	1,429	408	282	541
15	Amherst	20,876	4,030	1,168	92	9,006	3,288
16	Tavoy	5,164	225	3,104	3	419	185
17	Mergui	6,069	52	2,534	.....	291	24
18	Toungoo	8,934	837	826	271	3,850	355
19	Thatön	10,056	44	4,293	.....	5,133	.....
20	Salween	1,030	71	94	15	.....	68
21	Mandalay	14,467	1,981	3,351	223	7,032	169
22	Bhamo	4,458	750	2,888	342	269	85
23	Katha	3,236	258	95	154	61	.....
24	Ruby Mines	2,591	33	722	.....	.....	.....
25	Myitkyina	1,587	1	418	1	167	.....
26	Shwebo	15,822	639	3,905	55	7,796	25
27	Sagaing	19,336	2,734	2,071	86	33	.....
28	Lower Chindwin	17,756	278	2,295	12	51	266
29	Upper Chindwin	9,571	78	1,639	.....	384	68
30	Thayetmyo	17,512	2,657	1,184	682	2,011	525
31	Pakökkü	9,186	164	2,732	141	13	.....
32	Minbu	9,121	179	1,381	45	794	27
33	Magwe	14,006	221	2,348	8	1,416	187
34	Meiktila	11,397	380	4,745	210	150	17
35	Yaméthin	10,353	411	2,354	163	1,361	.....
36	Kvaüksè	5,639	195	1,467	.....	229	.....
37	Myingyan	14,007	73	3,865	533	11,189	113
38	Lashio	7,233	39	1,071	20	2,409	39
39	Taunggyi	12,914	126	483	36	1,322	2
40	Chin Hills	4,610	236	100	28	914	210
	GRAND TOTAL	426,985	61,992	75,650	20,844	92,310	14,697

and the number of those persons who were successfully vaccinated in the Province of mentioned official years (Paragraph 4).

VACCINATED.

Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.
1901-02.		1902-03.		1903-04.		1904-05.		1905-06.	
7		8		9		10		11	
94,530	83,082	120,384	101,166	135,891	109,016	138,435	109,201	162,044	144,074
52,227	46,695	55,352	47,049	53,775	44,879	59,410	46,168	64,888	52,898
181,107	166,283	165,218	149,585	179,917	160,516	166,339	141,626	181,999	160,428
1,822	1,553	7,053	5,451	6,712	5,624	6,986	4,989	8,197	6,983
3,971	3,033	6,622	5,038	8,924	6,915	9,516	7,152	9,812	7,272
20	9	25	11	...	...	25	14	66	33
114	67	359	283	380	222	379	215	304	182
333,791	300,722	355,013	308,583	385,102	327,172	381,090	309,365	427,305	371,376

Vaccination verified by Inspecting Officers.

PERCENTAGE OF INSPECTIONS TO TOTAL NUMBER VACCINATED.				PERCENTAGE OF CASES FOUND SUCCESSFUL OF TOTAL NUMBER INSPECTED.				PERCENTAGE OF SUCCESS REPORTED BY VACCINATORS.	
By Deputy Sanitary Commissioner or Civil Surgeons.		By Native Superintendents or other Inspecting Officers.		By Deputy Sanitary Commissioner or Civil Surgeons.		By Native Superintendents or other Inspecting Officers.			
Primary.	Re-vaccination.	Primary.	Re-vaccination.	Primary.	Re-vaccination.	Primary.	Re-vaccination.	Primary.	Re-vaccination.
9	10	11	12	13	14	15	16	17	18
7.14	88.58	31.22	80.60	88.72	71.88	86.43	73.61	80.79	76.24
3.44	8.3	7.78	75.00	73.68	100	100	88.89	90.30	100
5.13	33.33	3.57	1.08	85.00	64.52	66.85	100	85.14	63.77
18.48	63.03	11.33	27.96	90.16	26.52	94.86	19.49	82.39	26.32
47.91	41.67	3.17	5.79	84.82	62.68	80.42	65.09	84.86	55.41
10.73	22.65	59.17	53.89	96.72	78.23	74.38	24.42	76.34	24.84
13.19	15.25	6.09	22.03	95.63	75.00	94.86	90.88	96.63	80.93
2.19	...	46.65	(2.96	97.90	...	87.91	70.69	90.52	63.1
11.64	13.31	7.98	54.42	91.55	32.45	92.47	42.78	12.41	34.09
25.49	64.41	27.72	78.66	92.01	3.51	93.73	39.71	92.33	61.17
9.70	...	15.67	1.05	93.64	...	95.78	100	90.44	13.60
16.42	42.92	57.29	66.27	95.48	56.75	97.68	53.68	97.10	55.6
7.76	33.56	3.49	20.59	96.91	65.85	96.39	42.51	94.33	51.74
16.22	33.02	3.20	35.88	94.61	61.41	98.04	45.84	91.18	72.14
6.61	2.23	43.26	81.59	88.27	27.17	92.31	52.13	92.58	50.56
60.11	1.33	8.11	82.22	93.46	...	99.76	17.84	94.78	...
41.75	...	4.79	46.15	75.69	...	96.66	4.17	85.13	1.92
9.2	32.38	43.09	42.41	89.69	69.37	91.84	55.21	90.70	55.97
42.69	...	51.09	...	73.52	...	71.93	...	73.13	9.09
9.13	21.13	...	...	77.66	...	...	...	77.31	69.23
23.16	11.51	48.61	3.43	95.08	43.86	81.00	50.00	89.60	41.76
64.78	45.60	6.03	22.53	90.69	65.20	91.82	68.05	14.72	60.97
28.28	50.69	1.89	32.95	96.07	46.75	100.00	51.76	95.66	...
24.97	...	...	...	95.57	...	...	...	91.89	51.52
26.34	100	10.52	...	83.01	100	84.43	...	90.77	...
24.70	8.61	49.30	3.91	92.68	45.45	80.61	24.00	1.53	62.57
10.71	3.15	17	...	89.14	60.47	81.82	...	91.73	65.80
12.03	4.32	29	95.68	94.51	41.67	100	30.45	91.85	85.94
17.12	...	4.01	87.18	81.03	...	88.02	92.65	89.36	...
6.76	25.67	11.49	19.76	95.19	98.83	93.24	89.52	91.23	71.52
29.74	85.98	14	...	89.60	11.35	84.62	...	91.87	1.35
15.17	25.14	8.71	15.08	83.31	66.67	92.05	44.44	86.08	50.89
16.76	3.62	10.32	84.62	89.57	62.50	94.05	67.38	94.33	57.14
41.63	55.26	1.32	4.47	97.96	48.10	51.33	35.29	97.42	...
22.74	59.66	13.15	...	89.25	48.47	99.85	...	1.0	87.94
25.02	...	4.06	...	93.05	...	100	...	88.77	89.73
27.69	73.10	70.88	16.03	91.41	39.78	85.62	44.92	89.85	42.35
14.81	51.23	33.31	100	83.66	40.00	64.96	46.15	89.27	...
3.73	28.57	10.22	1.59	94.62	66.67	92.13	10	84.19	60.38
2.17	10.53	19.93	78.95	67.00	46.43	83.57	70.95	79.41	66.67
17.72	33.12	21.62	23.71	90.25	54.25	87.22	44.77	90.80	53.25

APPENDIX A.

Showing the ratio per 10,000 successfully vaccinated and the mortality from small-pox by quinquennial periods for Lower Burma only.

Official year.				Ratio per 10,000 successfully vaccinated.	Quinquennial mean.	Calendar year.				Ratio for 10,000 of mortality from small-pox.	Quinquennial mean.
1				2	3	4				5	6
1890-91	241.73	274.35	1890	10.11	5.19
1891-92	...	...	...	214.17		1891	...	...	...	2.89
1892-93	...	...	...	257.91		1892	...	...	...	3.24
1893-94	...	...	...	503.46		1893	...	...	...	6.83
1894-95	...	...	...	353.83		1894	...	...	...	3.85
1895-96	448.91	584.16	1895	3.41	7.05
1896-97	...	...	...	554.43		1896	...	...	...	3.70
1897-98	...	...	...	586.66		1897	...	...	...	4.32
1898-99	...	...	...	652.47		1898	...	...	...	10.70
1899-1900	...	...	...	678.31		1899	...	...	...	13.21
1900-01	530.41	372.41	1900	6.76	3.62
1901-02	...	...	...	352.69		1901	...	...	...	4.45
1902-03	...	...	...	323.04		1902	...	...	...	2.82
1903-04	...	...	...	353.66		1903	...	...	...	2.30
1904-05	...	...	...	324.89		1904	...	...	...	2.38
1905-06	385.48	...	1905	10.10	...

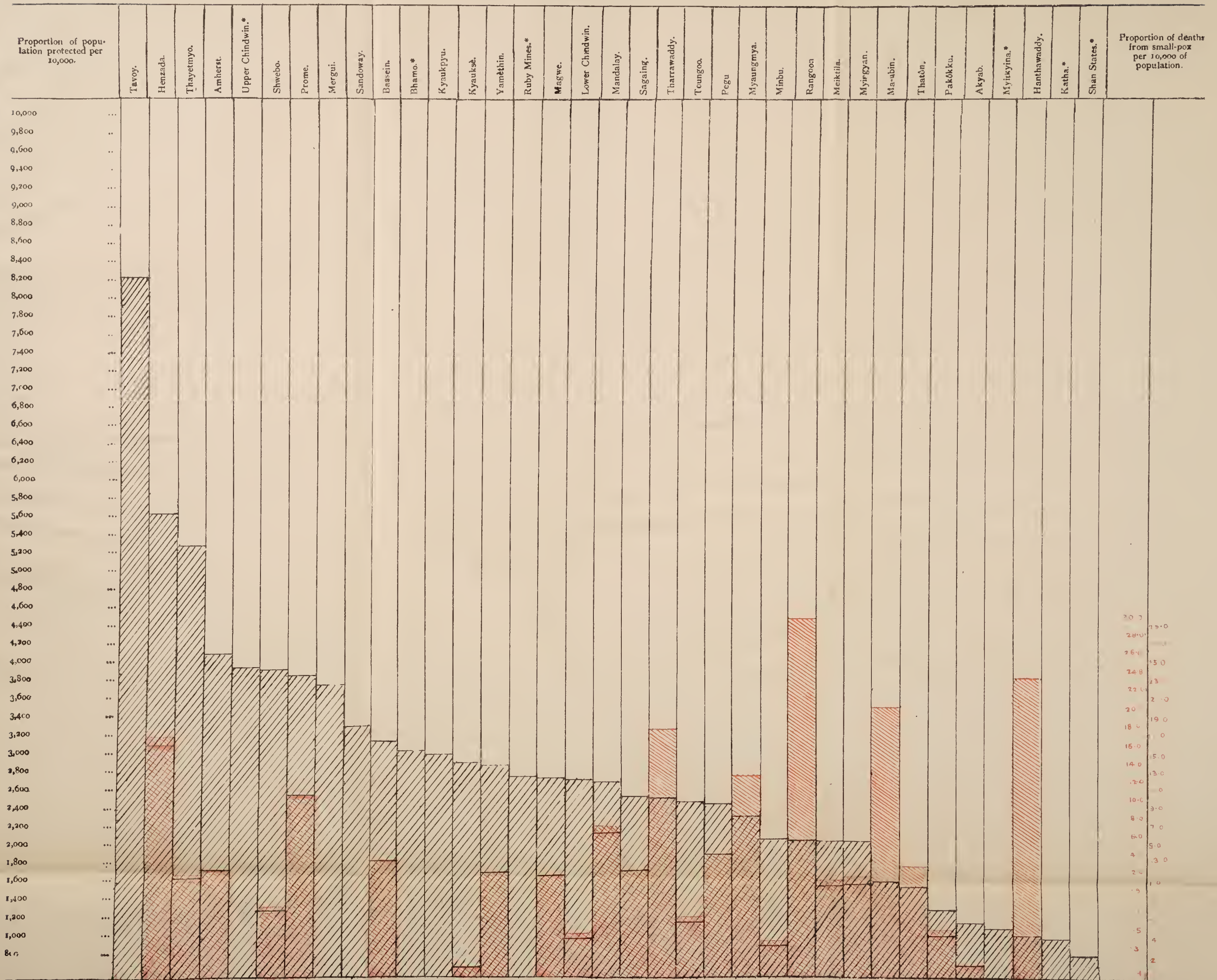
APPENDIX B.

Statistics relating to the number of children under one year of age in towns available for vaccination and the number of successful operations performed on them (Paragraph 11).

Towns.				Number of births during the year 1905-06.	Number of deaths among children under one year during the year 1905-06.	Number available for vaccination after deducting the numbers who have died as shewn in column 3.	Number of successful vaccinations on children under one year during the year ending 31st March 1906.	Date of extension of Vaccination Act into town.
1				2	3	4	5	6
Akyab	...	...	...	586	216	370	407	August 1883.
Kyaukpadaung	...	...	...	55	5	50	31	April 1894.
Sandoway	...	...	...	100	13	87	72	September 1890.
Rangoon	...	...	...	4,239	1,471	2,768	2,293	April 1834.
Pegu	...	...	...	488	130	358	310	March 1893.
Prome	...	...	...	920	243	677	655	June 1890.
Paungde	...	...	...	455	103	352	349	August 1890.
Gyobingauk	...	...	...	221	63	158	83	February 1897.
Letpadan	...	...	...	334	93	241	60	January 1897.
Thonzè	...	...	...	222	56	166	121	October 1897.
Mia-ubin	...	...	...	167	46	121	68	October 1891.
Yandoon	...	...	...	413	105	308	266	January 1892.
Pyapôn	...	...	...	449	76	373	158	November 1901.
Kyaiklat	...	...	...	307	70	237	110	15th December 1904
Bassein	...	...	...	924	256	668	692	September 1888.
Ngathalingyaung	...	...	...	213	50	163	112	February 1890.
Myaungmya	...	...	...	96	35	61	87	June 1894.
Henzada	...	...	...	915	263	647	531	January 1889.
Zalun	...	...	...	253	66	197	179	August 1894.
Myanaung	...	...	...	253	47	206	205	July 1889.
Moulmein	...	...	...	1,407	253	1,154	1,132	August 1885.
Thatôn	...	...	...	434	101	333	233	October 1891.
Kyaikto	...	...	...	195	43	152	82	March 1897.
Tavoy	...	...	...	823	145	678	709	December 1889.
Mergui	...	...	...	437	81	356	285	October 1891.
Toungoo	...	...	...	573	151	422	367	May 1889.
Shwegyin	...	...	...	212	38	174	195	January 1890.
Mandalay	...	...	...	5,702	2,066	3,636	4,265	August 1891.
Sagaing	...	...	...	336	101	235	190	April 1894.
Monywa	...	...	...	315	110	205	245	March 1893.
Thayetmyo	...	...	...	424	151	273	492	May 1889.
Allanmye	...	...	...	475	73	402	661	May 1901.
Yamethin	...	...	...	271	81	190	186	February 1892.
Pyinmana	...	...	...	441	45	396	396	November 1891.
Myingyan	...	...	...	576	204	372	372	September 1891.
Shwebo	...	...	...	271	99	172	187	June 1894.
Pakokku	...	...	...	868	340	528	491	April 1892.
Kyaukse	...	...	...	292	93	199	235	May 1894.
Minbu	...	...	...	221	51	170	166	March 1893.
Salin	...	...	...	251	65	186	149	March 1895.
Taungdwingyi	...	...	...	299	106	193	84	February 1893.
Total				26,447	7,809	18,638	18,035	

APPENDIX C.

Diagram showing the proportion of population protected during the seven official years from 1899-1900 to 1905-06, and the death-rate from small-pox during the calendar year 1905 in Districts where registration is in force.



NOTES AND STATISTICS
ON
VACCINATION IN BURMA

FOR THE YEAR 1905-06.



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